

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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## Complete if Known

Application Number 10824882  
Filing Date Herewith  
First Named Inventor Kenneth A. Langland  
Art Unit 2878  
Examiner Name TONY KO  
Attorney Docket Number 290050.00020

Sheet 1 of 4

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
TK		US- 3,619,058	11/1971	Hewlett, et al.	
TK		US- 3,728,026	04/1973	Idestrom, et al.	
TK		US- 3,752,581	08/1973	Everest, et al.	
TK		US- 3,900,260	08/1975	Wendt	
TK		US- 3,996,476	12/1976	Lazzara	
TK		US- 4,113,381	09/1978	Epstein	
TK		US- 4,113,831	09/1978	Epstein	
TK		US- 4,153,366	05/1979	Mamon, et al.	
TK		US- 4,159,873	07/1979	Farnsworth	
TK		US- 4,498,764	02/1985	Bolkow, et al.	
TK		US- 4,521,107	06/1985	Chaborski, et al.	
TK		US- 4,605,081	08/1986	Helmly, Jr., et al.	
TK		US- 4,614,968	09/1986	Rattman, et al.	
TK		US- 4,626,053	12/1986	Fayfield	
TK		US- 4,644,341	02/1987	Warner	
TK		US- 4,699,508	10/1987	Bolkow, et al.	
TK		US- 4,790,402	12/1988	Field, et al.	
TK		US- 4,846,297	07/1989	Field, et al.	
TK		US- 4,851,660	07/1989	Juds, et al.	

## FOREIGN PATENT DOCUMENTS

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				

Examiner Signature		Date Considered	1/17/06
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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet **2** of **4**

## **Complete if Known**

Application Number **1018024882**  
 Filing Date **Herewith**  
 First Named Inventor **Kenneth A. Langland**  
 Art Unit **2878**  
 Examiner Name **TOU & KO**  
 Attorney Docket Number **290050.00020**

U. S. PATENT DOCUMENTS					
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TK		US- 4,878,407	11/1989	Harrison, et al.	
TK		US- 4,880,966	11/1989	Goodrich, et al.	
TK		US- 4,931,631	6/1990	Jackson	
TK		US- 4,961,490	10/1990	Risko, et al.	
TK		US- 4,996,468	02/1991	Field, et al.	
TK		US- 5,054,911	10/1991	Ohishi, et al.	
TK		US- 5,056,437	10/1991	Maddock	
TK		US- 5,198,664	03/1993	Fayfield	
TK		US- 5,200,607	04/1993	Klima	
TK		US- 5,206,697	04/1993	Schwartz	
TK		US- 5,247,184	09/1993	Kimball	
TK		US- 5,322,074	06/1994	Cross, Jr.	
TK		US- 5,326,968	07/1994	Johnson, et al.	
TK		US- 5,331,150	07/1994	Marsh	
TK		US- 5,477,869	12/1995	Cross, Jr.	
TK		US- 5,496,996	03/1996	Barnes, et al.	
TK		US- 5,500,523	03/1996	Hamanaka	
TK		US- 5,559,496	09/1996	Dubats	
TK		US- 6,560,537	10/1996	Sadler, et al.	

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**Complete if Known**

Application Number	10824882
Filing Date	Herewith
First Named Inventor	Kenneth A. Langland
Art Unit	28 78
Examiner Name	TONK
Attorney Docket Number	290050.00020

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		Number-Kind Code <sup>2</sup> (if known)			
TK		US- 5,563,798	10/1996	Berken, et al.	
TK		US- 5,600,906	02/1997	Hamid	
TK		US- 5,642,850	07/1997	Sadler, et al.	
TK		US- 5,663,621	09/1997	Popat	
TK		US- 5,684,596	11/1997	Eslinger, et al.	
TK		US- 5,685,987	11/1997	Hixon, Jr., et al.	
TK		US- 5,707,523	01/1998	Temple	
TK		US- 5,729,024	03/1998	Baba, et al.	
TK		US- 5,740,062	04/1998	Berken, et al.	
TK		US- 5,749,821	05/1998	Simmons	
TK		US- 5,755,550	05/1998	Brandt, et al.	
TK		US- 5,757,489	05/1998	Kawakami	
TK		US- 5,767,971	06/1998	Kawai, et al.	
TK		US- 5,818,062	10/1998	Baba, et al.	
TK		US- 5,828,056	10/1998	Alderman, et al.	
TK		US- 5,828,456	10/1998	Aoki, et al.	
TE		US- 5,829,231	11/1998	Harding, et al.	
TK		US- 5,868,657	02/1999	Simmons	
TK		US- 5,872,646	02/1999	Alderman, et al.	

**FOREIGN PATENT DOCUMENTS**

[illegible]

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Signature**

Date Considered

1/17/06

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Sheet 4 of 4

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First Named Inventor Kenneth A. Langland  
Art Unit 162878  
Examiner Name TONY KO  
Attorney Docket Number 290050.00020

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		Number-Kind Code <sup>2</sup> (if known)			
TK		US- 5,879,626	03/1999	Watterson, et al.	
TK		US- 5,880,822	03/1999	Kubo	
TK		US- 5,929,436	07/1999	Baba, et al.	
TK		US- 5,941,444	08/1999	Sadler, et al.	
TK		US- 6,010,223	01/2000	Gubela, Sr.	
TK		US- 6,018,159	01/2000	Alderman, et al.	
TK		US- 6,036,209	03/2000	Tsumura, et al.	
TK		US- 6,151,185	11/2000	Ishizuka, et al.	
TK		US- 6,186,388	02/2001	Sadler, et al.	
TK		US- 6,198,540	03/2001	Ueda, et al.	
TK		US- 6,213,680	04/2001	Schaeffer, et al.	
TK		US- 6,229,598	05/2001	Yoshida	
TK		US- 6,279,881	08/2001	Nishi	
TK		US- 6,344,656	02/2002	Hopkins, et al.	
TK		US- 6,377,167	04/2002	Juds, et al.	
TK		US- 6,403,223	06/2002	Albro, et al.	
TK		US- 6,412,535	07/2002	Barolovits, et al.	
TK		US- 6,433,332	08/2002	Chin, et al.	
TK		US-			

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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code* <sup>3</sup> Number* <sup>4</sup> Kind Code* <sup>5</sup> (if known)	MM-DD-YYYY			

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